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~~22.~~

(New) A composition of matter comprising: 1) a solid support; and 2) a printed pattern comprising a self-assembled monolayer of two or more different linear peptides, wherein said peptides are bound to said solid support by a bond between the solid support and a terminal amino acid.

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~~23.~~

(New) A composition of matter comprising: 1) a solid support; 2) and a printed pattern comprising a self-assembled monolayer of linear peptides,
wherein said peptides are bound to said solid support by a bond between the solid support and a terminal amino acid,

wherein said peptides comprise a terminal reactive group, a central linker and a presenting group selected from the group consisting of antigens, antibodies, antibody fragments, cellular adhesion motifs, high chain alkyls, hydrophobically blocked amino acids and ligands, and

wherein said peptides are extended beta strands.

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~~24.~~

(New) A composition of matter comprising: 1) a solid support; 2) and a printed pattern comprising a self-assembled monolayer of linear peptides,

wherein said peptides are bound to said solid support by a bond between the solid support and a terminal amino acid,

wherein said peptides comprise a terminal reactive group, a central linker and a presenting group selected from the group consisting of antigens, antibodies, antibody fragments, cellular adhesion motifs, high chain alkyls, hydrophobically blocked amino acids and ligands,

wherein said terminal amino acid is selected from the group consisting of serine, aspartic acid, glutamic acid and cysteine,

wherein said central linker comprises between 2 to 50 amino acids, and

wherein said central linker is selected from the group consisting of a oligoglycine and oligoalanine.

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~~25.~~

(New) The composition of matter according to Claim ~~24~~⁴ wherein said presenting group possesses an affinity to a target molecule.

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~~26.~~

(New) The composition of matter according to Claim ~~25~~⁵ wherein the target molecule is a cell surface protein and the presenting group is selected from the group consisting of a ligand, an antibody or an antibody fragment which binds specifically to the cell surface protein.

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~~27.~~

(New) A composition of matter comprising: 1) a solid support; and 2) a printed pattern comprising a self-assembled monolayer of two or more different linear peptides, wherein said peptides are bound to said solid support by a bond between the solid support and a terminal amino acid, the peptide further being characterized by the formula:



or



wherein X is H, alkyl, alkoxy, alkylthio or dialkylamino, thiol, hydroxy, amino or carboxy;

each AA is independently the same or different and is a naturally-occurring or non-naturally-occurring amino acid;

L is a group which binds specifically or non-specifically to a target ;

n is zero or an integer between 1 to 5; and

m is an integer of at least 2.

REMARKS

Claim Amendments

Claims 1-16, 18, 20 and 21 have been cancelled; new Claims 22-27 have been added.

Claim 19 remains pending; it is noted that the last Office Action indicated that Claim 19 is allowable.

New Claim 22 incorporates the limitations of cancelled Claims 1 and 5; and new Claim 27 incorporates the limitations of cancelled Claims 16 and 5.

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